WHAT IS CLAIMED IS:

An electronic component comprising:

a cloth-containing core substrate made by forming a resinous material, or a composite material obtained by mixing a resin and a powdery functional material into a thin sheet;

a thin-film conductor formed and patterned by thin-film forming technology on at least either of front and rear surfaces of the core substrate;

a clothless layer superposed on at least that surface of the core substrate on which the thin-film conductor has been formed, and formed from a clothless resin-coated metal foil obtained by coating one surface of a metal foil with a resinous material, or a composite material obtained by mixing a resin and a powdery functional material, the metal foil being patterned.

2. The electronic component as set forth in claim 1, wherein the clothless layer is formed by placing a plurality of such clothless layers one upon another.

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3. An electronic component including a laminated product comprising:

a cloth-containing core substrate made by forming a resinous material, or a composite material obtained by mixing a resin and a powdery functional material into a thin sheet;

a thin-film conductor formed and patterned by thin-film forming technology on at least either of the front and rear surfaces of the core substrate;

a clothless layer superposed on at least that surface of the core substrate on which the thin-film conductor has been formed, and formed from a clothless resin-coated metal foil obtained by coating one surface of a metal foil with a resinous material, or a composite material obtained by mixing a resin and a powdery functional material, the metal foil being patterned;

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the component being obtained by interposing a prepreg between a plurality of laminated products and/or between the laminated product and the core substrate having a thin-film conductor or the metal foil, laminating them and uniting them together by compression under heat.

- 4. The electronic component as set forth claim 1, wherein the core substrate and the thin-film conductor mainly constitute an inductive element, and the clothless layer and a conductor layer formed by the patterning of the metal foil mainly constitute a condenser and a wiring pattern.
- 5. The electronic component as set forth claim 3, wherein the core substrate and the thin-film conductor mainly constitute an inductive element, and the clothless layer and

a conductor layer formed by the patterning of the metal foil mainly constitute a condenser and a wiring pattern.

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- 6. The electronic component as set forth in claim 1, wherein the resin comprises at least one kind of thermosetting resin selected from among an epoxy resin, a phenol resin, an unsaturated polyester resin, a vinyl ester resin, a polyimide resin, a bismaleimidetriazine (cyanate ester) resin, polyphenylene ether (oxide) resin, a fumarate resin, polybutadiene resin and a vinylbenzyl resin; or at least one kind of thermoplastic resin selected from among an aromatic polyester resin, a polyphenylene sulfide resin, a polyethylene terephthalate resin, a polybutylene tere- phthalate resin, a polyethylene sulfide resin, a polyether ether ketone resin, a polytetrafluoroethylene resin, a polyarylate resin and a graft resin; or a resin obtained by combining at least one kind of such thermosetting resin and at least one kind of such thermoplastic resin.
- 7. The electronic component as set forth in claim 3, wherein the resin comprises at least one kind of thermosetting resin selected from among an epoxy resin, a phenol resin, an unsaturated polyester resin, a vinyl ester resin, a polyimide resin, a bismaleimidetriazine (cyanate ester) resin, a polyphenylene ether (oxide) resin, a fumarate resin, a

polybutadiene resin and a vinylbenzyl resin; or at least one kind of thermoplastic resin selected from among an aromatic polyester resin, a polyphenylene sulfide resin, a polyethylene terephthalate resin, a polybutylene tere- phthalate resin, a polyethylene sulfide resin, a polyether ether ketone resin, a polytetrafluoroethylene resin, a polyarylate resin and a graft resin; or a resin obtained by combining at least one kind of such thermosetting resin and at least one kind of such thermosetting resin and at least one kind of such thermoplastic resin.

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8. The electronic component as set forth claim 1, wherein the powdery functional material comprises at least one kind of ferrite magnetic material selected from among Mn-Mg-Zn, Ni-Zn and Mn-Zn; at least one kind of ferromagnetic metal material selected from among iron carbonyl, an iron-silicon alloy, an iron-aluminum-silicon alloy, an iron-nickel alloy and an amorphous (iron or cobalt) alloy; or at least one kind of dielectric material selected from among BaO-TiO2-Nd2O3, BaO-TiO₂-SnO₂, PbO-CaO, TiO₂, BaTiO₃, PbTiO₃, SrTiO₃, CaTiO₃, Al₂O₃, BiTiO₄, MgTiO₃, (Ba, Sr)TiO₃, Ba(Ti, Zr)O₃, BaTiO₃-SiO₂, BaO-SiO₂, $CaWO_4$, $Ba(Mg, Nb)O_3$, $Ba(Mg, Ta)O_3$, $Ba(Co, Mg, Nb)O_3$, $Ba(Co, Mg, Nb)O_3$ Ta)O₃, Mq_2SiO_4 ZnTiO₃, SrZrO₃, ZrTiO4, (Zr, $Sn) TiO_4$ $BaO-TiO_2-Sm_2O_3$, $PbO-BaO-Nd_2O_3-TiO_2$, (Bi₂O₃, PbO) - BaO-TiO₂, $La_2Ti_2O_7$, $Nd_2Ti_2O_7$, (Li, Sm) TiO_3 , $Ba(Zn, Ta)O_3$, $Ba(Zn, Nb)O_3$ and Sr(Zn, Nb)O3; or a functional material obtained by combining

at least two kinds of materials selected from among the ferrite magnetic material, ferromagnetic metal material and dielectric material.

- 5 9. The electronic component as set forth claim 3, wherein the powdery functional material comprises at least one kind of ferrite magnetic material selected from among Mn-Mg-Zn, Ni-Zn and Mn-Zn; at least one kind of ferromagnetic metal material selected from among iron carbonyl, an iron-silicon alloy, an iron-aluminum-silicon alloy, an iron-nickel alloy and 10 an amorphous (iron or cobalt) alloy; or at least one kind of dielectric material selected from among BaO-TiO2-Nd2O3, BaO-TiO₂-SnO₂, PbO-CaO, TiO₂, BaTiO₃, PbTiO₃, SrTiO₃, CaTiO₃, Al₂O₃, BiTiO₄, MgTiO₃, (Ba, Sr)TiO₃, Ba(Ti, Zr)O₃, BaTiO₃-SiO₂, BaO-SiO₂, $CaWO_4$, $Ba(Mq, Nb)O_3$, $Ba(Mq, Ta)O_3$, $Ba(Co, Mq, Nb)O_3$, $Ba(Co, Mq, Nb)O_3$ 15 $Ta) O_3$ Mg₂SiO₄, $ZnTiO_3$, SrZrO₃, ZrTiO₄, (Zr, Sn) TiO4, $BaO-TiO_2-Sm_2O_3$, $PbO-BaO-Nd_2O_3-TiO_2$, $(Bi_2O_3$, $PbO)-BaO-TiO_2$, $La_2Ti_2O_7$, $Nd_2Ti_2O_7$, (Li, Sm) TiO_3 , $Ba(Zn, Ta)O_3$, $Ba(Zn, Nb)O_3$ and Sr(Zn, Nb)O3; or a functional material obtained by combining at least two kinds of materials selected from among the ferrite 20 magnetic material, ferromagnetic metal material and dielectric material.
- 10. A process for manufacturing an electronic com25 ponent comprising:

forming a resinous material, or a composite material obtained by mixing a resin and a powdery functional material into a thin sheet and curing it to make a core substrate;

forming a thin-film conductor having a specific pattern by thin-film forming technology on at least either of the front and rear surfaces of the core substrate;

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superposing on the core substrate a clothless resincoated metal foil obtained by coating one surface of a metal foil with a resinous material, or a composite material obtained by mixing a resin and a powdery functional material so that its clothless resin-coated surface may lie on at least that surface of the core substrate on which the thin-film conductor has been formed, and compressing them together under heat into a unitary body;

patterning the metal foil to form a specifically shaped conductor layer.

- 11. The process for manufacturing an electronic component as set forth in claim 10, wherein the step of superposing the clothless resin-coated metal foil on an existing layer and compressing them together under heat and the step of patterning the metal foil to form a specifically shaped conductor layer are repeated a specific number of times.
- 12. A process for manufacturing an electronic com-

ponent comprising:

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forming a resinous material, or a composite material obtained by mixing a resin and a powdery functional material into a thin sheet and curing it to make a core substrate;

forming a thin-film conductor having a specific pattern by thin-film forming technology on at least either of the front and rear surfaces of the core substrate;

superposing on the core substrate a clothless resincoated metal foil obtained by coating one surface of a metal
foil with a resinous material, or a composite material obtained
by mixing a resin and a powdery functional material so that it
may lie on at least that surface of the core substrate on which
the thin-film conductor has been formed, and compressing them
together under heat into a unitary body;

patterning the metal foil to form a specifically shaped conductor layer;

performing once the steps of compressing the clothless resin-coated metal foil into a unitary body and forming the conductor layer or repeating them two or more times to form a laminated product;

interposing a prepreg between a plurality of laminated products and/or between any laminated product and the core substrate having a thin-film conductor or the metal foil, laminating them on one another and compressing them together into a unitary body.